

Amendment to the Claims

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1-30. (cancelled)

31. (new) A method for starting an internal combustion engine with electrically actuated valves, the method comprising;

during engine starter motor cranking of a first start, setting valve timing of a first electrically actuated valve of a first cylinder to generate a selected stroke in said first cylinder, where said first valve is set at a first engine position and where a remainder of cylinders in the engine are set so that the engine performs sequential combustion; and

during engine starter motor cranking of a second start, setting valve timing of a second electrically actuated valve of a second cylinder to generate said selected stroke in said second cylinder, where said second valve is set at a second engine position different from said first engine position and where the remainder of cylinders in the engine are set so that the engine performs sequential combustion.

32. (new) The method of claim 31 wherein said selected stroke is an intake stroke.

33. (new) The method of claim 31 wherein said first engine position has a piston of said first cylinder before top dead center.

34. (new) The method of claim 33 wherein said second engine position has a piston of said second cylinder before top dead center
35. (new) The method of claim 31 wherein said first engine position has a piston of said first cylinder after top dead center.
36. (new) The method of claim 35 wherein said second engine position has a piston of said second cylinder after top dead center.
37. (new) The method of claim 31 wherein said first engine position has a piston of said first cylinder after top dead center and said second engine position has said piston of said first cylinder before top dead center.
38. (new) The method of claim 31 wherein said first engine position has a piston of said first cylinder before top dead center and said second engine position has said piston of said first cylinder after top dead center.
39. (new) The method of claim 31 further comprising having at least one of said first and second electrically actuated valves at least partially open before said setting.
40. (new) A method for starting an internal combustion engine with electrically actuated valves, the method comprising;

during engine starter motor cranking of a first start, setting an electrically actuated valve of a first cylinder to generate a selected stroke, where said valve is set at a first engine position in which a piston of said first cylinder is after top dead center but before bottom dead center or before top dead center but after bottom dead center; and

during engine starter motor cranking of a second start, setting an electrically actuated valve of a second cylinder to generate said selected stroke, where said valve is set at a second engine position in which a piston of said second cylinder is after top dead center but before bottom dead center or before top dead center but after bottom dead center, where said first engine position is different from said second engine position.

41. (new) The method of claim 40 wherein said selected stroke is an intake stroke.
42. (new) The method of claim 41 wherein said setting is based at least on engine position.
43. (new) The method of claim 40 wherein said valves are maintained at least partially open before said setting.
44. (new) The method of claim 40 wherein said valves are maintained closed before said setting.
45. (new) The method of claim 40 wherein said piston positions of said first and second cylinder are different.

46. (new) A method for starting an internal combustion engine with electrically actuated valves, the method comprising;

during engine starter motor cranking of a first start, setting an electrically actuated valve of a cylinder to generate a first stroke, where said valve is set at a first piston position before top dead center but after bottom dead center of said cylinder; and

during engine starter motor cranking of a second start, setting said valve to generate a second stroke, different from said first stroke, where said valve is set at a second piston position after top dead center but before bottom dead center of said cylinder.

47. (new) The method of claim 46 wherein valve opening and closing timing is set to generate said first and second strokes.

48. (new) The method of claim 47 wherein said valves are set based at least on engine position.

49. (new) The method of claim 48 wherein said second stroke is an intake stroke.

50. (new) The method of claim 48 wherein said first stroke is an exhaust stroke.

51. (new) The method of claim 48 wherein said first stroke is a compression stroke.

52. (new) A method for starting an internal combustion engine with electrically actuated valves, the method comprising;

during engine starter motor cranking of a first start, setting valve timing of a first electrically actuated valve of a first cylinder to generate an intake stroke in said first cylinder, where said first valve is set at a first engine position and where a remainder of cylinders in the engine are set so that the engine performs sequential combustion in a firing order, and where said first valve is open before said setting; and

during engine starter motor cranking of a second start, setting valve timing of a second electrically actuated valve of a second cylinder to generate said intake stroke in said second cylinder, where said second valve is set at a second engine position different from said first engine position and where the remainder of cylinders in the engine are set so that the engine performs sequential combustion in said firing order, and where said second valve is open before said setting.